

# Juan M Fernández-Luna

## List of Publications by Year in descending order

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Version: 2024-02-01

89  
papers

1,189  
citations

567281

15  
h-index

414414

32  
g-index

94  
all docs

94  
docs citations

94  
times ranked

915  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combining content-based and collaborative recommendations: A hybrid approach based on Bayesian networks. <i>International Journal of Approximate Reasoning</i> , 2010, 51, 785-799.	3.3	216
2	Ant colony optimization for learning Bayesian networks. <i>International Journal of Approximate Reasoning</i> , 2002, 31, 291-311.	3.3	158
3	A comparison of learning algorithms for Bayesian networks: a case study based on data from an emergency medical service. <i>Artificial Intelligence in Medicine</i> , 2004, 30, 215-232.	6.5	67
4	Bayesian networks and information retrieval: an introduction to the special issue. <i>Information Processing and Management</i> , 2004, 40, 727-733.	8.6	50
5	A collaborative recommender system based on probabilistic inference from fuzzy observations. <i>Fuzzy Sets and Systems</i> , 2008, 159, 1554-1576.	2.7	44
6	Managing uncertainty in group recommending processes. <i>User Modeling and User-Adapted Interaction</i> , 2009, 19, 207-242.	3.8	44
7	The BNR model: foundations and performance of a Bayesian network-based retrieval model. <i>International Journal of Approximate Reasoning</i> , 2003, 34, 265-285.	3.3	43
8	An information retrieval model based on simple Bayesian networks. <i>International Journal of Intelligent Systems</i> , 2003, 18, 251-265.	5.7	41
9	Top-N news recommendations in digital newspapers. <i>Knowledge-Based Systems</i> , 2012, 27, 180-189.	7.1	37
10	Teaching and learning in information retrieval. <i>Information Retrieval</i> , 2009, 12, 201-226.	2.0	29
11	Using past-prediction accuracy in recommender systems. <i>Information Sciences</i> , 2012, 199, 78-92.	6.9	27
12	Using context information in structured document retrieval: an approach based on influence diagrams. <i>Information Processing and Management</i> , 2004, 40, 829-847.	8.6	21
13	Lucene4IR. <i>ACM SIGIR Forum</i> , 2017, 50, 58-75.	0.5	20
14	An iterated local search algorithm for learning Bayesian networks with restarts based on conditional independence tests. <i>International Journal of Intelligent Systems</i> , 2003, 18, 221-235.	5.7	17
15	Clustering terms in the Bayesian network retrieval model: a new approach with two term-layers. <i>Applied Soft Computing Journal</i> , 2004, 4, 149-158.	7.2	16
16	Automatic construction of multi-faceted user profiles using text clustering and its application to expert recommendation and filtering problems. <i>Knowledge-Based Systems</i> , 2020, 190, 105337.	7.1	16
17	A Layered Bayesian Network Model for Document Retrieval. <i>Lecture Notes in Computer Science</i> , 2002, , 169-182.	1.3	16
18	Positive unlabeled learning for building recommender systems in a parliamentary setting. <i>Information Sciences</i> , 2018, 433-434, 221-232.	6.9	15

#	ARTICLE	IF	CITATIONS
19	A Multi-layered Bayesian Network Model for Structured Document Retrieval. Lecture Notes in Computer Science, 2003, , 74-86.	1.3	14
20	Learning from explanations in recommender systems. Information Sciences, 2014, 287, 90-108.	6.9	13
21	Using Personalization to Improve XML Retrieval. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1280-1292.	5.7	13
22	An automatic methodology to evaluate personalized information retrieval systems. User Modeling and User-Adapted Interaction, 2015, 25, 1-37.	3.8	12
23	Artificial intelligence in COVID-19 evidence syntheses was underutilized, but impactful: a methodological study. Journal of Clinical Epidemiology, 2022, , .	5.0	11
24	CIRLab: A groupware framework for collaborative information retrieval research. Information Processing and Management, 2010, 46, 749-761.	8.6	10
25	Use of textual and conceptual profiles for personalized retrieval of political documents. Knowledge-Based Systems, 2016, 112, 127-141.	7.1	10
26	Temperatus® software: A new tool to efficiently manage the massive information generated by iButtons. International Journal of Medical Informatics, 2019, 126, 9-18.	3.3	10
27	Implementing relevance feedback in the Bayesian Network Retrieval model. Journal of the Association for Information Science and Technology, 2003, 54, 302-313.	2.6	9
28	IMPROVING THE EFFICIENCY OF THE BAYESIAN NETWORK RETRIEVAL MODEL BY REDUCING RELATIONSHIPS BETWEEN TERMS. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2003, 11, 101-116.	1.9	9
29	Improving the Context-Based Influence Diagram Model for Structured Document Retrieval: Removing Topological Restrictions and Adding New Evaluation Methods. Lecture Notes in Computer Science, 2005, , 215-229.	1.3	9
30	New Trends in Information Access. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2017, 25, 1-3.	1.9	9
31	Data mining techniques to analyze the factors influencing active commuting to school. International Journal of Sustainable Transportation, 2020, 14, 308-323.	4.1	9
32	Measuring predictive capability in collaborative filtering. , 2009, , .		8
33	An integrated system for managing the Andalusian Parliament's digital library. Data Technologies and Applications, 2009, 43, 156-174.	0.8	8
34	Committee-Based Profiles for Politician Finding. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2017, 25, 21-36.	1.9	8
35	Computing probability intervals with simulated annealing and probability trees. Journal of Applied Non-Classical Logics, 2002, 12, 151-171.	0.5	7
36	Ranking Structured Documents Using Utility Theory in the Bayesian Network Retrieval Model. Lecture Notes in Computer Science, 2003, , 168-182.	1.3	7

#	ARTICLE	IF	CITATIONS
37	Group Recommending: A methodological Approach based on Bayesian Networks. , 2007, , .		7
38	Using second-hand information in collaborative recommender systems. Soft Computing, 2010, 14, 785-798.	3.6	7
39	Explaining neighborhood-based recommendations. , 2012, , .		7
40	LDA-based term profiles for expert finding in a political setting. Journal of Intelligent Information Systems, 2021, 56, 529-559.	3.9	7
41	Profile-based recommendation: A case study in a parliamentary context. Journal of Information Science, 2017, 43, 665-682.	3.3	6
42	Artificial intelligence and automation of systematic reviews in women's health. Current Opinion in Obstetrics and Gynecology, 2020, 32, 335-341.	2.0	6
43	Automatic Indexing from a Thesaurus Using Bayesian Networks: Application to the Classification of Parliamentary Initiatives. Lecture Notes in Computer Science, 2007, , 865-877.	1.3	6
44	Managing structured queries in probabilistic XML retrieval systems. Information Processing and Management, 2010, 46, 514-532.	8.6	5
45	User intent transition for explicit collaborative search through groups recommendation. , 2011, , .		5
46	Bibliometric study of the scientific research on "Learning to Rank" between 2000 and 2013. Scientometrics, 2015, 102, 1669-1686.	3.0	5
47	XML search personalization strategies using query expansion, reranking and a search engine modification. , 2013, , .		4
48	Enhancing collaborative search systems engagement through gamification. , 2014, , .		4
49	Predicting IR personalization performance using pre-retrieval query predictors. Journal of Intelligent Information Systems, 2018, 51, 597-620.	3.9	4
50	A Lazy Approach for Filtering Parliamentary Documents. Lecture Notes in Computer Science, 2015, , 364-378.	1.3	4
51	Probabilistic Methods for Structured Document Classification at INEX™07. Lecture Notes in Computer Science, 2008, , 195-206.	1.3	4
52	New Utility Models for the Garnata Information Retrieval System at INEX™08. Lecture Notes in Computer Science, 2009, , 39-45.	1.3	4
53	Probabilistic Methods for Link-Based Classification at INEX 2008. Lecture Notes in Computer Science, 2009, , 453-459.	1.3	3
54	Introduction to the special issue on teaching and learning in information retrieval. Information Retrieval, 2009, 12, 99-101.	2.0	3

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55	Influence Diagrams and Structured Retrieval: Garnata Implementing the SID and CID Models at INEX™06. Lecture Notes in Computer Science, 2007, , 165-177.	1.3	3
56	The Garnata Information Retrieval System at INEX™07. Lecture Notes in Computer Science, 2008, , 57-69.	1.3	3
57	An Information Retrieval System for Parliamentary Documents. , 0, , 203-223.		2
58	Personalization and Recommendation in Information Access. Information Processing and Management, 2013, 49, 637-639.	8.6	2
59	Being Confident about the Quality of the Predictions in Recommender Systems. Lecture Notes in Computer Science, 2013, , 411-422.	1.3	2
60	A discrete-event simulator for the web of things from an information retrieval perspective. , 2014, , .		2
61	Fisherman search procedure. Progress in Artificial Intelligence, 2014, 2, 193-203.	2.4	2
62	Content-Oriented Relevance Feedback in XML-IR Using the Garnata Information Retrieval System. Lecture Notes in Computer Science, 2009, , 617-628.	1.3	2
63	A Proposal for News Recommendation Based on Clustering Techniques. Lecture Notes in Computer Science, 2010, , 478-487.	1.3	2
64	PMSC-UGR: A Test Collection for Expert Recommendation Based on PubMed and Scopus. Lecture Notes in Computer Science, 2018, , 34-43.	1.3	2
65	Direct Optimization of Evaluation Measures in Learning to Rank Using Particle Swarm. , 2010, , .		1
66	Advances in real-time indexing models and techniques for the web of things. , 2016, , .		1
67	Information-Retrieval-as-a-Service for the Web of Things: A Survey and a Proposal of IRaaS Architecture. , 2016, , .		1
68	On the selection of the correct number of terms for profile construction: Theoretical and empirical analysis. Information Sciences, 2018, 430-431, 142-162.	6.9	1
69	Modeling and Simulating the Web of Things from an Information Retrieval Perspective. ACM Transactions on the Web, 2018, 12, 1-27.	2.5	1
70	Development of the XML Digital Library from the Parliament of Andalucía for Intelligent Structured Retrieval. , 2008, , 417-423.		1
71	Information Retrieval from Heterogeneous Data Sources: An Application for Managing Medical Records. Communications in Computer and Information Science, 2011, , 146-155.	0.5	1
72	Information retrieval and applications of graphical models (IRGM 2007). ACM SIGIR Forum, 2007, 41, 89-96.	0.5	1

#	ARTICLE	IF	CITATIONS
73	Proposal of a distributed events model for the development of collaborative search systems. , 2012, , .		1
74	Concept Profiles for Filtering Parliamentary Documents. , 2015, , .		1
75	Comparing Machine Learning and Information Retrieval-Based Approaches for Filtering Documents in a Parliamentary Setting. Lecture Notes in Computer Science, 2017, , 64-77.	1.3	1
76	A Groupware Usability-Oriented Evaluation Methodology Based on a Fuzzy Linguistic Approach. Communications in Computer and Information Science, 2019, , 1-16.	0.5	1
77	Two term-layers: an alternative topology for representing term relationships in the Bayesian Network Retrieval Model. , 2003, , 213-223.		0
78	Introduction to the special issue on the 27th European Conference on Information Retrieval Research. Information Retrieval, 2006, 9, 395-397.	2.0	0
79	A proposal for an experimental platform on Collaborative Information Retrieval. , 2009, , .		0
80	3rd international workshop on collaborative information retrieval (CIR2011). , 2011, , .		0
81	Comparing monolithic and committee-based profiles for politician recommendation. , 2016, , .		0
82	Content-based recommendation for Academic Expert finding. , 2018, , .		0
83	Fast Propagation Algorithms for Singly Connected Networks and their Applications to Information Retrieval. Studies in Fuzziness and Soft Computing, 2004, , 271-288.	0.8	0
84	Report on the 27th European conference on information retrieval research (ECIR 2005). ACM SIGIR Forum, 2005, 39, 37-40.	0.5	0
85	A Theoretical Framework for Web Categorization in Hierarchical Directories using Bayesian Networks. Studies in Fuzziness and Soft Computing, 2006, , 25-43.	0.8	0
86	USING STRUCTURAL KNOWLEDGE IN A CONTENT-BASED RECOMMENDER SYSTEM. , 2008, , .		0
87	Introduction to Teaching and Learning in Information Retrieval. The Kluwer International Series on Information Retrieval, 2011, , 1-7.	1.0	0
88	L2RLab: Integrated Experimenter Environment for Learning to Rank. Lecture Notes in Computer Science, 2013, , 543-554.	1.3	0
89	Learning Parliamentary Profiles for Recommendation Tasks. Lecture Notes in Computer Science, 2015, , 187-197.	1.3	0